

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
**WO 2005/092366 A1**

(51) International Patent Classification<sup>7</sup>: A61K 38/12,  
A61P 25/28

(74) Agent: GRIFFITH HACK; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).

(21) International Application Number:  
PCT/AU2005/000403

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 21 March 2005 (21.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2004901652 26 March 2004 (26.03.2004) AU

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US):  
PROMICS PTY LIMITED [AU/AU]; Building 64,  
Physiology and Pharmacology Dept, University of  
Queensland, St Lucia, Queensland 4072 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WOODRUFF,  
Trent, Martin [AU/AU]; 19 Martense Street, Wishart,  
Brisbane, Queensland 4122 (AU). TAYLOR, Stephen  
Maxwell [AU/AU]; 17 Perdita Street, Bellbird Park,  
Queensland 4300 (AU).

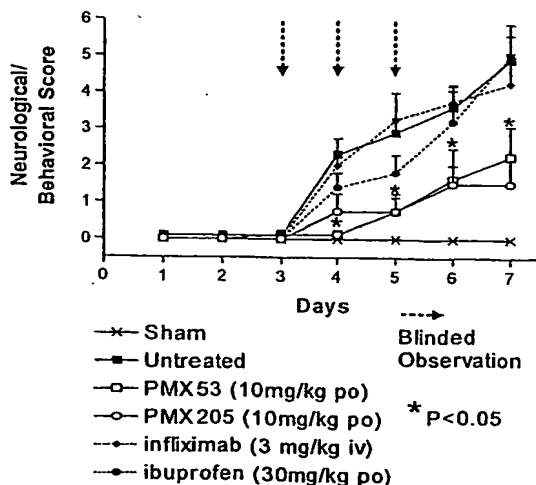
Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREATMENT OF NEUROLOGICAL CONDITIONS USING COMPLEMENT C5a RECEPTOR MODULATORS

Neurological/behavioural score over study.



(57) Abstract: This invention relates to the treatment of neurological conditions with novel cyclic peptidic and peptidomimetic compounds which have the ability to modulate the activity of C5a receptors. The compounds preferably act as antagonists of the C5a receptor, and are active against C5a receptors on polymorphonuclear leukocytes, monocytes, lymphocytes and/or macrophages. In a preferred form of the invention the neurological conditions are neurodegenerative diseases, neuroimmunological disorders, diseases arising from dysfunction of the blood brain barrier, and stroke.

WO 2005/092366 A1